WHAT IS CLAIMED IS:

1.   **1.**   A method for deploying distributed load reduction within an power

2. supply network, said method comprising:

3.   (a) sending a first electronic signal from a signal hub to a device within a

4. power user's facility, wherein said device is a member selected from generating equipment

5. and power using devices, said signal activating or deactivating said device;

6.   (b) sending a confirming electronic signal from said device to said signal hub

7. to confirm that said device is activated or deactivated in response to said first signal; and

8.   (c) sending a second signal from said signal hub to said device to activate or

9. deactivate said device.

1.   **2.**   The method according to claim **1**, wherein a member selected from

2. said first signal, said confirming signal, said second signal and combinations thereof are

3. delivered using a wide area network.

1.   **3.**   The method according to claim **2**, wherein said wide area network is

2. the Internet.

1.   **4.**   The method according to claim **2**, wherein said member is delivered

2. using TCP/IP.

1.   **5.**   The method according to claim **1**, wherein said device is activated or

2. deactivated in response to a member selected from the group consisting of load conditions

3. within said power user's facility, within a generation system, within a transmission system

4. and combinations thereof.

1.   **6.**   The method according to claim **1**, wherein more than one device in said power user'

2. facility is activated or deactivated in response to said first signal.

1.   **7.**   The method according to claim **1**, wherein a device in more than one

2. power user's facility is activated or deactivated in response to said first signal.

1.   **8.**   The method according to claim **1**, wherein said signal hub is hotlinked

2. to one or more computer systems controlling a member selected from the group consisting of

3. external transmission systems, external generating systems and combinations thereof.

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1 **9.** A method for deploying distributed load reduction within an power

2 supply network by remotely activating an power generating device within a power user's

3 facility, said method comprising:

4 (a) sending a first electronic signal from a signal hub to a power generating

5 device within a power user's facility, thereby activating said device;

6 (b) sending a confirming electronic signal from said device to said signal hub

7 to confirm that said device is activated in response to said first signal; and

8 (c) sending a second signal from said signal hub to said device to deactivate

9 said device.

1 **10.** The method according to claim **9**, wherein a member selected from

2 said first signal, said confirming signal, said second signal and combinations thereof are

3 delivered using a wide area network.

1 **11.** The method according to claim **10**, wherein said wide area network is

2 the Internet.

1 **12.** The method according to claim **10**, wherein said member is delivered

2 using TCP/IP.

1 **13.** The method according to claim **9**, wherein said device is activated or

2 deactivated in response to a member selected from the group consisting of load conditions

3 within said power user's facility, within a generation system, within a transmission system

4 and combinations thereof.

1 **14.** The method according to claim **9**, wherein said activating said device

2 utilizes a start sequence that includes actuation of an auto transfer switch thereby, thereby

3 disengaging utility-provided power.

1 **15.** The method according to claim **9**, wherein said first signal and said

2 second signal are transmitted from said signal hub to a V-GEN control panel operatively

3 linked to said generating equipment, and said confirming signal is sent from said V-GEN

4 control panel to said signal hub.

1   **16.**   The method according to claim **9**, wherein said V-GEN control panel

2   monitors power output of said generating equipment and, using monitored output prepares a

3   calculated real time load on said generating equipment.

1   **17.**   The method according to claim **16**, wherein said calculated real time

2   load is transmitted to said signal hub.

1   **18.**   The method according to claim **17**, wherein said signal hub

2   continuously monitors said calculated load and responds to increases in said load by a

3   member selected from the group consisting of deploying additional power generating

4   equipment, providing additional utility-provided power, deactivating power using equipment

5   within said power user's facility and combinations thereof.

1   **19.**   The method according to claim **17**, wherein said signal hub

2   continuously monitors said calculated load and responds to decreases in said load by a

3   member selected from the group consisting of deactivating power generating equipment,

4   decreasing utility-provided power, activating power using equipment within said power

5   user's facility and combinations thereof.

1   **20.**   A method for deploying distributed load reduction within an power

2   supply network by remotely deactivating an power using device within a power user's

3   facility, said method comprising:

4   (a) sending a first electronic signal from a signal hub to an power using device

5   within a power user's facility, thereby deactivating said device;

6   (b) sending a confirming electronic signal from said device to said signal hub

7   to confirm that said device is deactivated in response to said first signal; and

8   (c) sending a second signal from said signal hub to said device to activate said

9   device.

1   **21.**   The method according to claim **20**, wherein a member selected from

2   said first signal, said confirming signal, said second signal and combinations thereof are

3   delivered using a wide area network.

1   **22.**   The method according to claim **21**, wherein said wide area network is

2   the Internet.

1   **23.**   The method according to claim **21**, wherein said member is delivered
2 using TCP/IP.

1   **24.**   The method according to claim **20**, wherein said device is activated or
2 deactivated in response to a member selected from the group consisting of load conditions
3 within said power user's facility, within a generation system, within a transmission system
4 and combinations thereof.

1   **25.**   The method according to claim **20**, wherein said activating said device
2 utilizes a start sequence that includes actuation of an auto transfer switch thereby, thereby
3 disengaging utility-provided power.

1   **26.**   The method according to claim **20**, wherein said first signal and said
2 second signal are transmitted from said signal hub to a V-GEN control panel operatively
3 linked to said generating equipment, and said confirming signal is sent from said V-GEN
4 control panel to said signal hub.

1   **27.**   The method according to claim **20**, wherein said V-GEN control panel
2 monitors power output of said generating equipment and, using monitored output prepares a
3 calculated real time load on said generating equipment.

1   **28.**   The method according to claim **27**, wherein said calculated real time
2 load is transmitted to said signal hub.

1   **29.**   The method according to claim **28**, wherein said signal hub
2 continuously monitors said calculated load and responds to increases in said load by a
3 member selected from the group consisting of deploying additional power generating
4 equipment, providing additional utility-provided power, deactivating power using equipment
5 within said power user's facility and combinations thereof.

1   **30.**   The method according to claim **28**, wherein said signal hub
2 continuously monitors said calculated load and responds to decreases in said load by a
3 member selected from the group consisting of deactivating power generating equipment,
4 decreasing utility-provided power, activating power using equipment within said power
5 user's facility and combinations thereof.

1 **31.** A system for deploying distributed load reduction within an power

2 supply network, said system comprising:

3 (a) a signal hub comprising:

4 (i) a V-GEN Hub, which dispatches start and stop signals to power

5 generating and power using equipment in a power user's

6 facility, and data-logs responses from equipment in said power

7 user's facility; and

8 (ii) a V-GEN Server, which receives a signal from a member selected

9 from an external generating system, an external transmission

10 system and combinations thereof, wherein if said signal is

11 above a predetermined threshold, said Server transmits

12 deployment instructions to said V-GEN Hub; and

13 (b) a V-GEN Control Panel operatively linked to said signal hub and an power

14 generating device or an power using device in said power user's

15 facility, said control panel transmitting said deployment instructions to

16 said device and transmitting said responses to said V-GEN Hub.

1 **32.** The system according to claim **31**, wherein said signal hub transmits

2 signals to more than one device in a power user's facility.

1 **33.** The system according to claim **31**, wherein said signal hub transmits

2 signals to more than one power user's facility.

1 **34.** The system according to claim **31**, further comprising a means for

2 automated centralized accounting of power generated and power used by a power user's

3 facility.